

Entwurf von LED-Beleuchtungseinheiten berücksichtigt werden. Schließlich wirkt Licht auf genetischer Ebene auf den Körper und Vision und Gesundheit sind untrennbar mit der Strahlung natürlicher und künstlicher Lichtquellen verbunden.

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AGILE SOFTWARE DEVELOPMENT METHODS

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Problem statement. Today one of the most promptly developing spheres is IT sphere. Fast development of the IT sector demands using modern methods and instruments of project management. The standard methods, like PMBoK, PRINCE2 and P2M are a powerful complex of tools and methods of management for projects and programs. At the same time, for IT projects it is necessary to use a complex of flexible, competent and fast methods and instruments of management [1]. Nowadays, many companies need to be competitive in quickly changing conditions. It is necessary for them to use methods which allow creating a qualitative product that helps to satisfy all customers' needs. Agile software development can provide a complex of methods which can improve the operation of many companies.

In the course of evolutionary development of iterative methodologies of software development adaptive methodologies in the field have been created.

In 2001, 17 software developers (Kent Beck, Mike Beedle, Arie van Bennekum, etc.) gathered in Snowbird, State of Utah, to discuss new software development methodologies. As a result, the document Agile Manifesto was made and accepted [2]:

- Individuals and interactions over processes and tools;
- Working software over comprehensive documentation;
- Customer collaboration over contract negotiation;

- Responding to change over following a plan [3, 4];

Agile project management has high potential in uncertainty conditions. As prime framework it implies understanding the fact that changes are an integral part of work over the project and the fact that planning is only expedient for the short period of time. The main role in efficiency of these approaches is played by the team of performers who are capable of taking responsibility for the results of the project.[5]

Conclusions. This methodology establishes certain rules of project management (for example, development or introduction of information technologies), based on the possibility of continuous updating of requirements and introduction of tactical changes. Summing up the results, it should be noted that thanks to the constant analysis of the work done and opportunities to carry out correction of the direction of the project between iterations the chosen methodology allows to achieve better results, to operate projects with higher quality and create high-quality software products.

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ROAD MATERIALS AND PAVEMENT DESIGN: NEW ROAD CONSTRUCTION CONCEPTS

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One of the main problems of road construction is the quality of road surface. Patch repairs, new road damage or badly tracked road coating are the most common reasons of accidents on roads in Ukraine.

The durability of road surface depends on a number of reasons. Materials, technologies, a road bed preparation, the qualification of people who build the roads – all these factors directly influence the quality of a road. When designing, building and repairing the road network, it is necessary to take into account climatic and landscape peculiarities, population density, traffic flow, keeping in